

ABSTRACT OF THE DISCLOSURE

2 A method for manufacturing an electrolytic tilt sensor comprises: a) forming sensing
electrodes on a generally planar surface of a dielectric substrate; b) forming a reference electrode
4 on the surface; c) mounting a housing to the substrate so that the sensing electrodes and the
reference electrode are contiguous to a volume defined between the housing and the substrate; d)
6 forming a fluid tight seal between the housing and the substrate; e) injecting an electrolytic fluid
into the volume; f) sealing the electrolytic fluid in the volume; and g) forming an electrical circuit
8 on the substrate for generating an output signal representing the angle of the dielectric substrate
with respect to a gravitational field, wherein the electrical circuit includes an oscillator mounted
10 on the surface.